

ABSTRACT OF THE DISCLOSURE

A low noise roller chain includes a rigid roller made of metal and an elastic roller made of elastic material that are 5 arranged end to end and fitted on a bushing between two opposed inner plates so as to jointly form a roller assembly. The width of the elastic roller is 13 to 45% of the overall width of the roller assembly, and the thickness of the elastic roller is larger than the thickness of the rigid roller by 5 to 25% of the thickness 10 of the elastic roller. With the elastic roller thus constructed, noise generated upon abutment of the roller chain with a sprocket can be effectively suppressed without deteriorating the durability of the rigid metal roller. The elastic roller may be arranged in a zigzag pattern in the longitudinal direction of 15 the roller chain.